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(54) Title: ISOLATION AND IDENTIFICATION OF T CELLS

(57) Abstract: The present invention relates to improved autologous T cell vaccines and improved methods for their production. The invention is also directed to methods for treating autoimmune diseases such as multiple sclerosis or rheumatoid arthritis using autologous T cell vaccines. The invention is further directed to the diagnosis of T cell associated diseases.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/24548

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 33/53; C12P 19/34

US CL : 424/7.21, 93.7; 435/91.2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424/7.21, 93.7; 435/91.2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	HERMANS et al. Cytokine Profile of Myelin Basic Protein-Reactive T Cells in Multiple Sclerosis and Healthy Individuals. Annals of Neurology. 1997, Vol. 42, No. 1, pages 18-27, see entire article.	1-30
Y	ZHANG et al. Th2 immune regulation induced by T cell vaccination in patients with multiple sclerosis. European Journal of Immunology. March 2000, Vol. 30, pages 908-913, see entire article.	1-30
Y	US 6,303,314 B1 (ZHANG, J. Z.) 16 October 2001 (16.10.2001), see entire document.	1-30

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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Date of the actual completion of the international search

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Continuation of B. FIELDS SEARCHED Item 3:

WEST 2.1, STN(EMBASE, BIOSIS, MEDLINE, CAPLUS, SCISEARCH, PROMT, BIOBUSINESS)

search terms: inventor's name, cd69, cd4, cd25, hla-dr, il-2, il-5, il-10, il-13, ifn-g, tnfa, cd36, autoantigens, autoimmunity, treat/ment, myelin basic protein, mbp, activated T cells, 83-99, 151-170.